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Sheet 1 of 7

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. ISIS-4682	Serial No. 09/775,967
		Applicant Guzaev, et al.	
		Filing Date February 2, 2001	Group 1623
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
PL	AA ✓	Alul, R.H. et al., "Oxalyl-CPG: a labile support for synthesis of sensitive oligonucleotide derivatives," <i>Nucl. Acid Res.</i> , 1991 , 19, 1527-1532	
	AB ✓	Atkins, P.W., "Henderson-Hasselbalch equation," <i>Physical Chemistry</i> , 3 rd Ed., W.H. Freeman and Co., NY, 1985 , 280	
	AC	Beaucage, S. L. et al., "Advances in the Synthesis of Oligonucleotides by the Phosphoramidite Approach," <i>Tetrahedron</i> , 1992 , 48, 2223-2311	
	AD ✓	Berner, S. et al., "Studies on the role of tetrazole in the activation of phosphoramidites," <i>Nucl. Acids Res.</i> , 1989 , 17, 853-864	
	AE ✓	Bielinska, A. et al., "Regulation of Gene Expression with Double-Stranded Phosphorothioate Oligonucleotides," <i>Science</i> , 1990 , 250, 997-1000	
	AF ✓	Brill, W. K. et al., "Synthesis of of oligodeoxynucleoside phosphorodithioates via thioamidites," <i>J. Am. Chem. Soc.</i> , 1989 , 111, 2321-2322	
	AG ✓	Brown, T., et al. "Oligonucleotides and Analogues a Practical Approach, <i>IRL Press</i> , NY, Eckstein, F. (Ed.), 1991 , Chapter 1, 1-23	
	AH	Caruthers M.H., et al., "Synthesis of oligonucleotides using the phosphoramidite method," Bruzik, K.S., et al. (Eds.), <i>Esevier, Amsterdam</i> , 1987 , 3-21	
	AI ✓	Caruthers, M.H., "Chemical synthesis of DNA and DNA analogues," <i>Acc. Chem. Res.</i> , 1991 , 24, 278-284	
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PL	AK ✓	Cook, P. D., "Medicinal Chemistry of Antisense Oligonucleotides - future opportunities," <i>Anti-Cancer Drug Design</i> , 1991 , 6, 585-607	
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	AM ✓	Dahl, B. H. et al., "Mechanistic studies on the phosphoramidite coupling reaction in oligonucleotide synthesis. I. Evidence for nucleophilic catalysis by tetrazole and rate variations with the phosphorus substituents," <i>Nucl. Acids Res.</i> , 1987 , 15, 1729-1743	
	AN ✓	Delgado, et al., <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 1992 , 9, 249-304	
*	AO	Eckstein, F. (Ed.), "Oligonucleotides and Analogues a Practical Approach," <i>IRL Press, NY</i> , 1991	
	AP	Efimov, V.A. et al., "New efficient sulfurizing reagents for the preparation of oligodeoxyribonucleotide phosphorothioate analogues," <i>Nucl. Acids Res.</i> , 1995 , 23, 4029-4033	
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	AR ✓	Englisch, U. et al., "Chemically Modified Oligonucleotides as Probes and Inhibitors," <i>Angew. Chem. Int. Ed. Eng.</i> , 1991 , 30, 613-629 (<i>see especially pages 622-623</i>)	
↓	AS ✓	Földes-Papp, Z., et al., "Fractal dimension of error sequence dynamics in quantitative modeling of syntheses of short oligonucleotide and single-stranded DNA sequences," <i>J. Theor. Biol.</i> , 1995 , 174, 391-408	
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* A copy of this reference will not be forwarded to the U.S. Patent and Trademark Office since it is believed to be too voluminous and easily obtainable by the Examiner.



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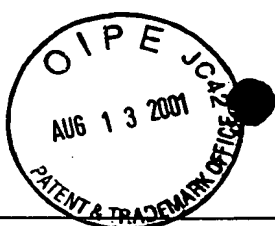
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	AV	Froehler, B. C. et al., "Nucleoside H-Phosphonates: Valuable Intermediates in the Synthesis of Deoxyoligonucleotides," <i>Tetra. Lett.</i> , 1986 , 27(4), 469-472	
	AW	Garegg, P. J. et al., "Formation of Internucleotidic Bonds via Phosphonate Intermediates," <i>Chemica Scripta</i> , 1985 , 25, 280-282	
	AX	Thomson, J.B., et al., "Synthesis and properties of diuridine phosphate analogues containing thio and amino modifications," <i>J. Org. Chem.</i> , 1996 , 61, 6273-6281	
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	BB	Hall, R.H., et al., "Nucleotides. Part XLI.* Mixed anhydrides as intermediates in the synthesis of dinucleoside phosphates," <i>J. Chem. Soc.</i> , 1957 , 3291-3296	
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	BD	Iyer, R. P. et al., "3H-1,2-Benzodithiole-3-one 1,1-Dioxide as an Improved Sulfurizing Reagent in the Solid-Phase Synthesis of Oligodeoxyribonucleoside Phosphorothioates," <i>J. Am. Chem. Soc.</i> , 1990 , 112, 1253-1254	
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<i>PL</i>	BF ✓	Izutsu, K., "Acid-base dissociation constants in dipolar aprotic solvents," Chemical Data Series No. 35, <i>Blackwell Scientific Publ., Oxford</i> , 1990 , 3-166	
	BG	Kaljurand, I., et al., "Self-consistent spectrophotometric basicity scale in acetonitrile covering the range between pyridine and DBU," <i>J. Org. Chem.</i> , 2000 , 65, 6202-6208	
	BH	Kamer, P.C.J. et al., "An Efficient Approach Toward the Synthesis of Phosphorothioate Diesters via the Schonberg Reaction," <i>Tetrahedron Letts.</i> , 1989 , 30, 6757-6760	
	BI	Kroschwitz, J. I., "Polynucleotides," <i>Concise Encyclopedia of Polymer Science and Engineering</i> , 1990 , John Wiley & Sons, New York, 858-859	
	BJ	Maier, M.A., et al., "Synthesis of chimeric oligonucleotides containing phosphodiester, phosphorothioate, and phosphoramidate linkages," <i>Org. Lett.</i> , 2000 , 2(13), 1819-1822	
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	BM	Nielsen, P. E. et al., "Sequence-Selective Recognition of DNA by Strand Displacement with a Thymine-Substituted Polyamide," <i>Science</i> , 1991 , 254, 1497-1500	
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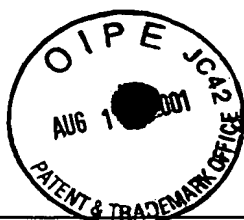
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*	BV	Sambrook, J., et al. (Eds), "Molecular Cloning, A Laboratory Manual," 2nd Ed., Cold Spring Harbor Laboratory Press, 1989		
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PL	BX	Schwesinger, R., "Starke ungeladene stickstoffbasen," <i>Nachr. Chem. Tech. Lab.</i> , 1990, 1214-1226 (English abstract)		
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	CB	Summerton, J., "Morpholino antisense oligomers: the case for an RNase H-independent structural type," <i>Biochem. Biophys. Acta</i> , 1999 , 1489, 141-158	
	CC	Vasseur, J. J. et al., "Oligonucleosides: Synthesis of a Novel Methylhydroxylamine-linked Nucleoside Dimer and Its Incorporation into Antisense Sequences," <i>J. Am. Chem. Soc.</i> , 1992 , 114, 4006-4007	
	CD	Vu, H. et al, "Internucleotide Phosphite Sulfurization with Tetraethylthiuram Disulfide. Phosphorothioate Oligonucleotide Synthesis via Phosphoramidite Chemistry," <i>Tetrahedron Letts.</i> , 1991 , 32, 3005-3008	
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	CF	Wu, H. et al., "Inhibition of in vitro transcription by specific double-stranded oligodeoxyribonucleotides," <i>Gene</i> , 1990 , 89, 203-209	
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Examiner Initial		Document No.	Date	Name	Class	Subclass
PL	CI	3,687,808	08/29/72	Merigan, Jr., et al.	195	28 N
	CJ	4,415,732	11/15/83	Caruthers, et al.	536	27
	CK	4,458,066	07/03/84	Caruthers, et al.	536	27
	CL	4,500,707	02/19/85	Caruthers, et al.	536	27
	CM	4,668,777	05/26/87	Caruthers, et al.	536	27
	CN	4,725,677	02/26/88	Köster, et al.	536	27
	CO	4,973,679	11/27/90	Caruthers, et al.	536	27
	CP	5,132,418	07/21/92	Caruthers, et al.	536	27
	CQ	5,151,510	09/29/92	Stec, et al.	536	27
	CR	5,292,875	03/08/94	Stec, et al.	536	25.33
PL	CS	5,670,633	09/23/97	Cook, et al.	536	23.1
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Examiner Initial		Document No.	Date	Country	Translation YES	Translation NO
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